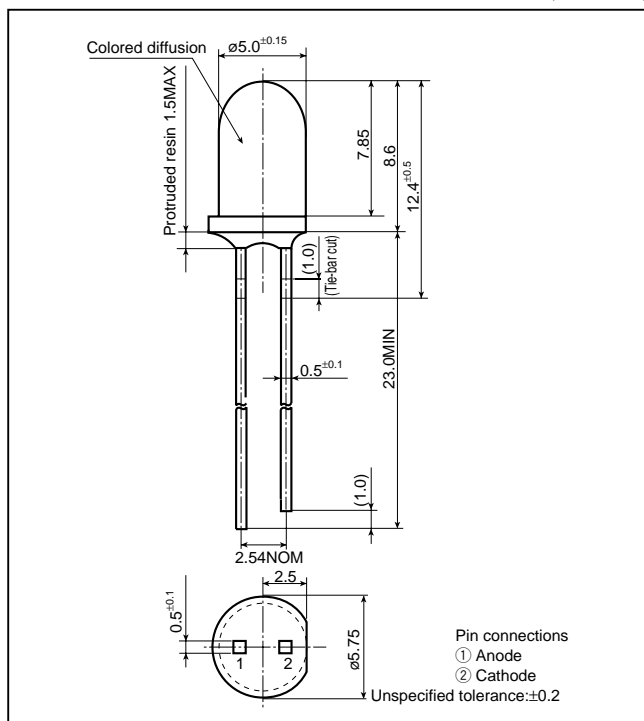


GL5□□4 series

ø5mm(T-1 3/4), Cylinder Type, Colored Diffusion LED Lamps for Wide Viewing Angle Indicator

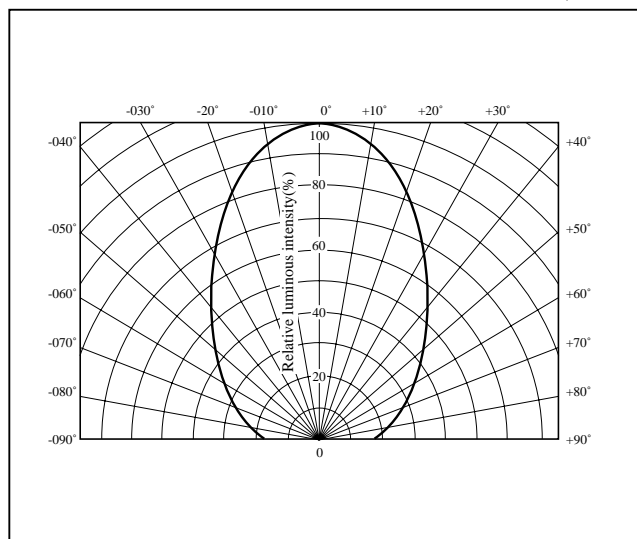
■ Outline Dimensions

(Unit : mm)



■ Directive Characteristics

(Ta=25°C)



■ Absolute Maximum Ratings

(Ta=25°C)

| Model No. | Emitting color | Material | Power dissipation P (mW) | Forward current I _F (mA) | Peak forward current I _{FM} *1 (mA) | Derating factor (mA/°C) | | Reverse voltage V _R (V) | Operating temperature T _{opr} (°C) | Storage temperature T _{stg} (°C) | Soldering temperature T _{sol} *2 (°C) |
|-----------|----------------|--------------|--------------------------------|---|--|----------------------------|-------|--|---|---|--|
| | | | | | | DC | Pulse | | | | |
| GL5PR4 | Red | GaP | 23 | 10 | 50 | 0.13 | 0.67 | 5 | -25 to +85 | -25 to +100 | 260 |
| GL5HD4 | Red | GaAsP on GaP | 84 | 30 | 50 | 0.40 | 0.67 | 5 | -25 to +85 | -25 to +100 | 260 |
| GL5EG4 | Yellow-green | GaP | 84 | 30 | 50 | 0.40 | 0.67 | 5 | -25 to +85 | -25 to +100 | 260 |

*1 Duty ratio=1/10, Pulse width=0.1ms

*2 5s or less(At the position of 1.6mm or more from the bottom face of resin package)

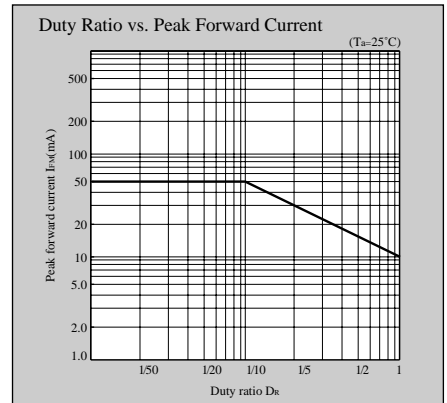
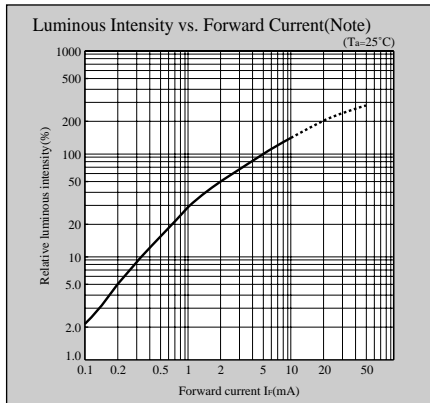
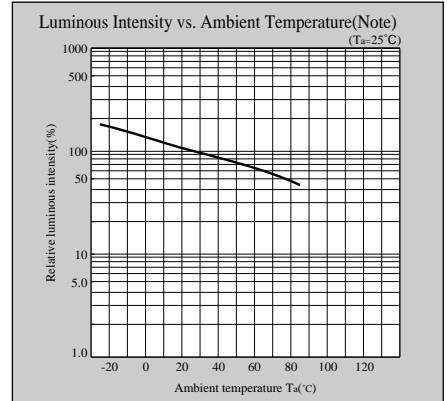
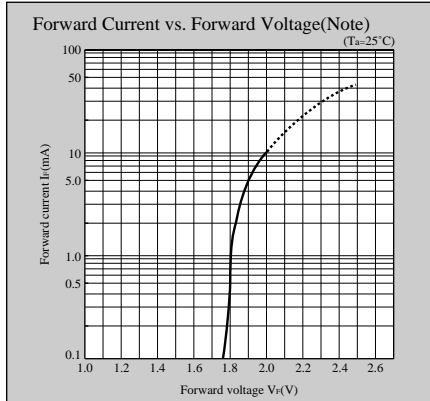
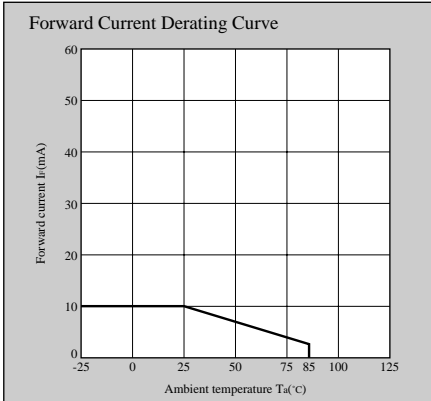
■ Electro-optical Characteristics

(Ta=25°C)

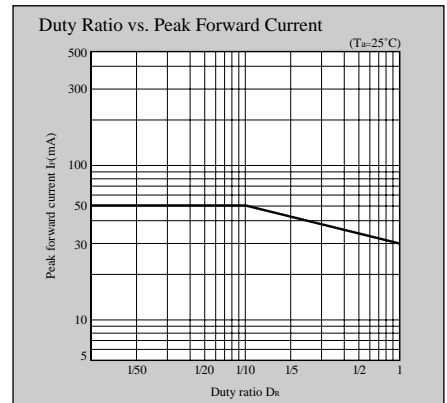
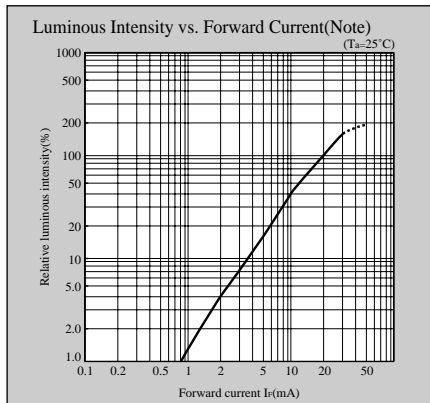
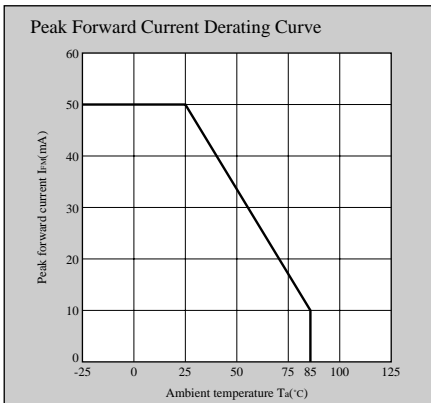
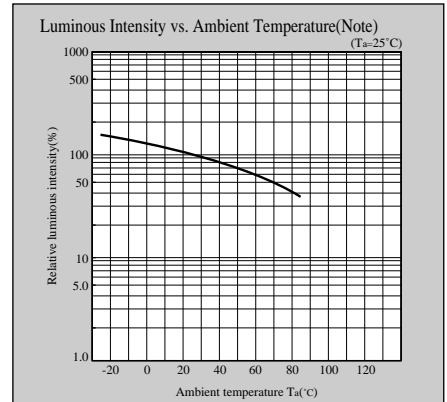
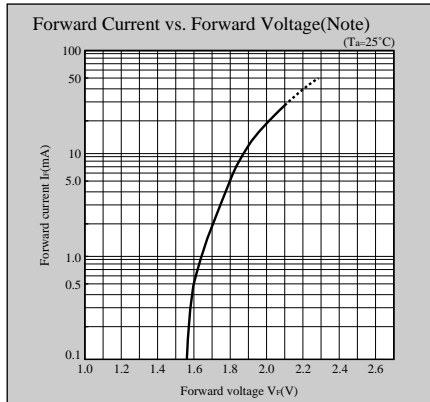
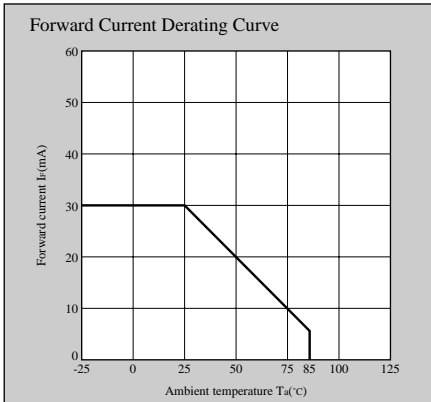
| Lens type | Model No. | Forward voltage V _F (V) | | Peak emission wavelength | | Luminous intensity | | Spectrum radiation bandwidth | | Reverse current | | Terminal capacitance | | Page for characteristics diagrams |
|-------------------|-----------|---------------------------------------|-----|--------------------------|------------------------|----------------------|------------------------|------------------------------|------------------------|---------------------|-----------------------|----------------------|-------|-----------------------------------|
| | | TYP | MAX | λ _p (nm) | I _F (mA) | I _v (mcd) | I _F (mA) | Δλ(nm) | I _F (mA) | I _R (μA) | V _R (V) | C _t (pF) | (MHz) | |
| | | | | | | | | | | | | | | |
| Colored diffusion | GL5PR4 | 1.9 | 2.3 | 695 | 5 | 3.0 | 5 | 100 | 5 | 10 | 4 | 55 | 1 | 100 |
| | GL5HD4 | 2.0 | 2.8 | 635 | 20 | 25 | 20 | 35 | 20 | 10 | 4 | 20 | 1 | 100 |
| | GL5EG4 | 2.1 | 2.8 | 565 | 20 | 20 | 20 | 30 | 20 | 10 | 4 | 35 | 1 | 102 |

Characteristics Diagrams

PR,P series



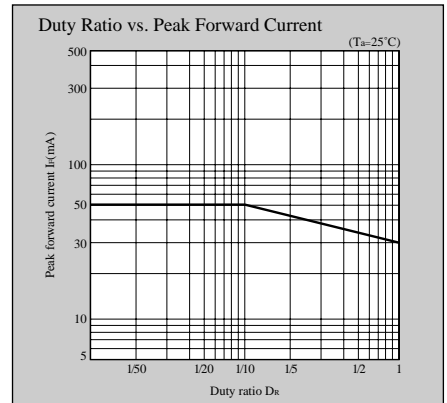
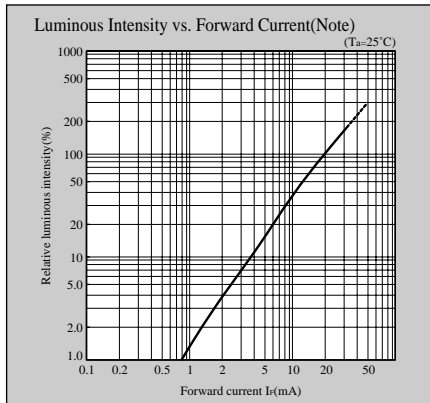
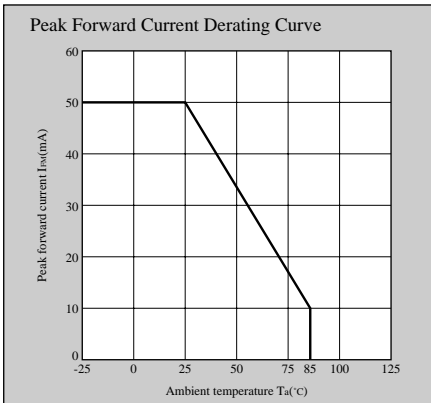
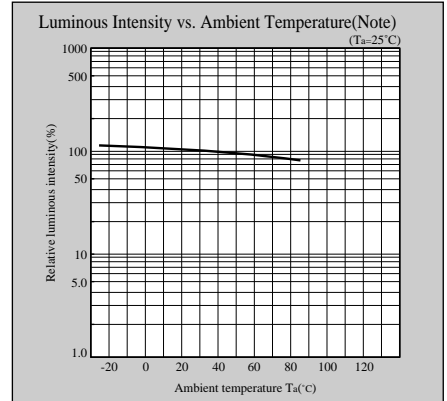
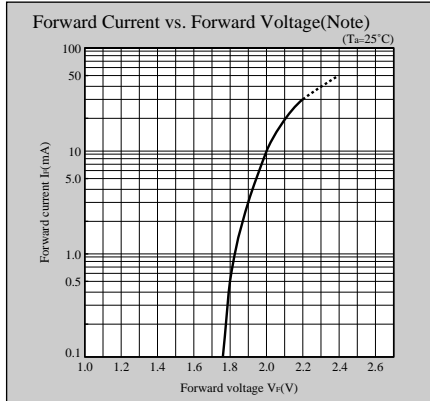
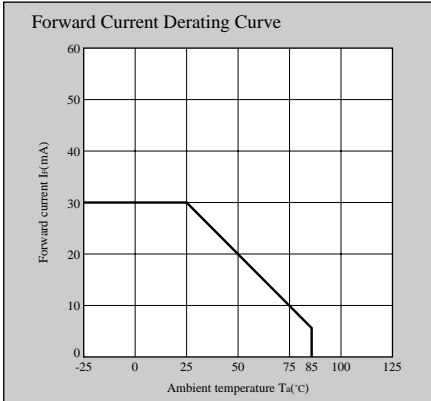
HD,D series



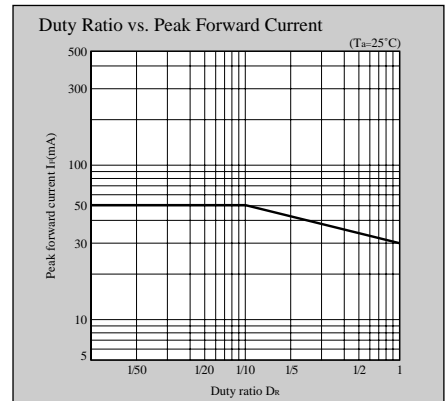
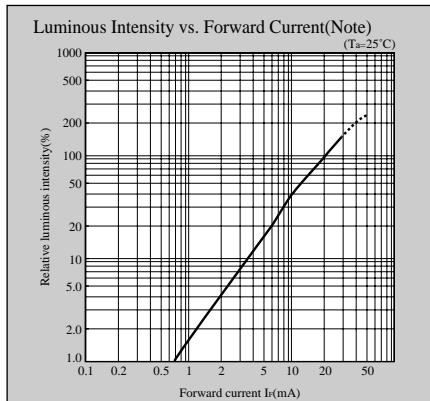
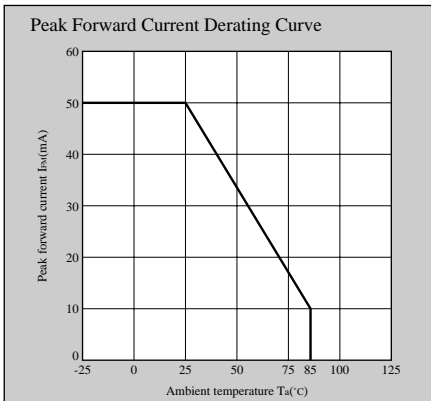
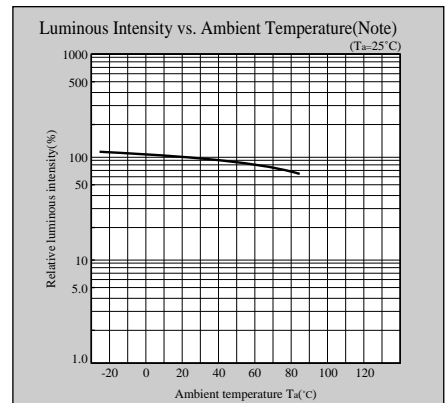
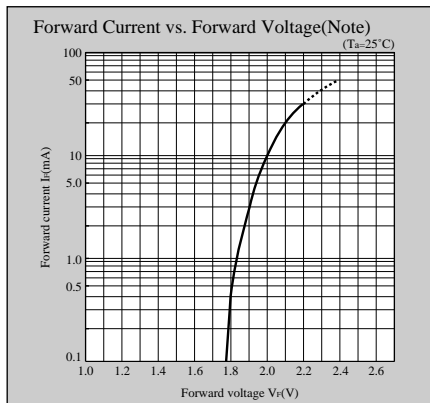
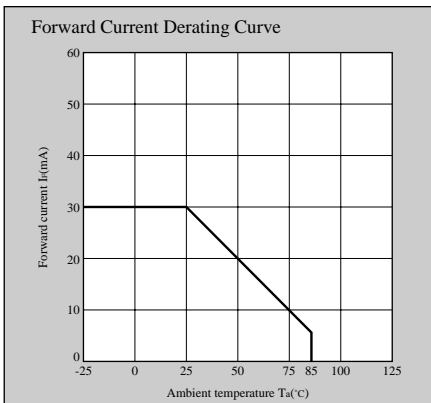
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

EG,E,F,C series



KG,K series



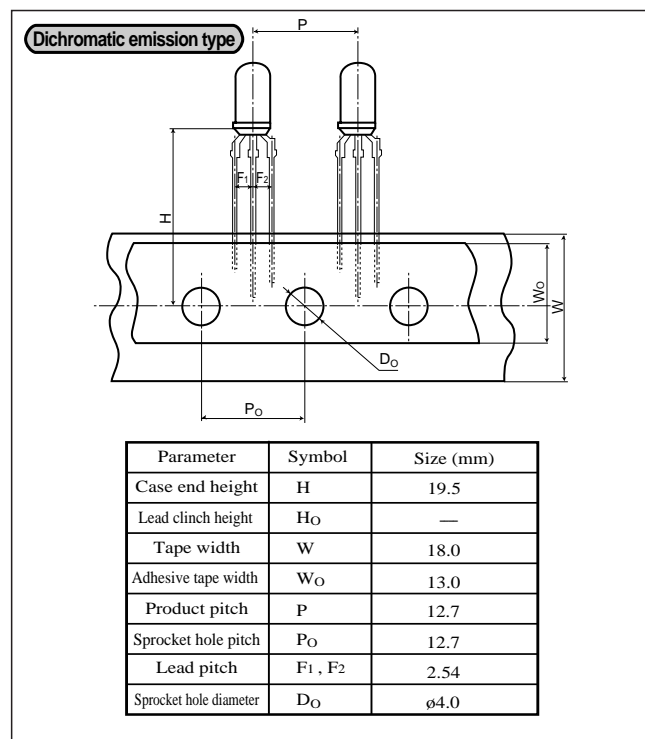
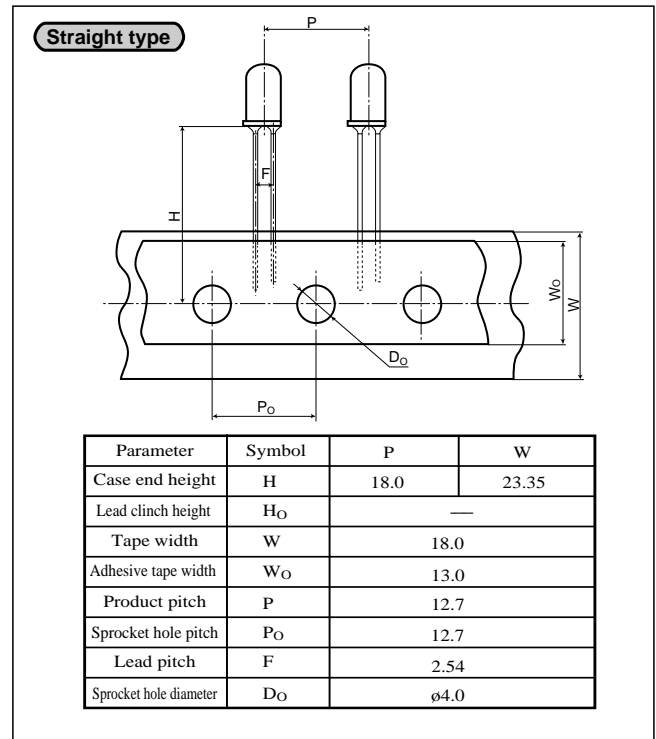
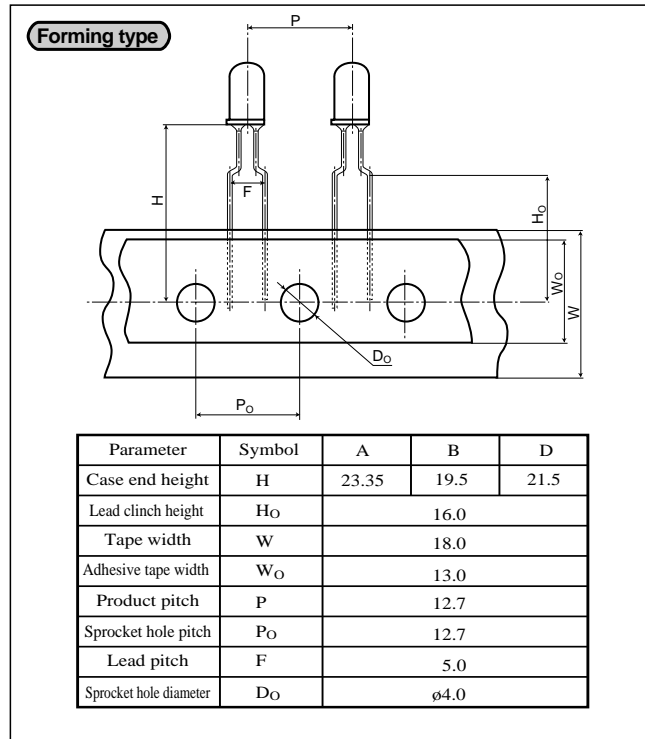
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Taping Specifications

General Description

Sharp can supply tape-packaged LED lamps for automatic mounting. They will contribute to the high-efficiency mounting, high-precision, power saving. Please confirm before use because some products are not available in taping package.

Taping specification(Unit : mm, TYP. value)



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 - Gas leakage sensor breakers
 - Alarm equipment
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